## CLAIMS .

| 1. | A light | emitting       | display   | device | comprising: |
|----|---------|----------------|-----------|--------|-------------|
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- a gate electrode provided formed over a substrate having an insulating surface

  with a substance having a photocatalytic function therebetween;
  - a gate insulating layer formed over the gate electrode;
  - a semiconductor layer and a first electrode formed over the gate insulating layer;
    - a wiring layer formed over the semiconductor layer;
- a partition wall covering an edge portion of the first electrode and the wiring layer;
  - an electroluminescent layer over the first electrode; and a second electrode over the electroluminescent layer, wherein the wiring layer covers the edge portion of the first electrode.

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2. A light emitting display device comprising:

a wiring layer and a first electrode formed over a substrate having an insulating surface with a substance having a photocatalytic function therebetween;

- a semiconductor layer formed over the wiring layer;
- a gate insulating layer formed over the semiconductor layer;
  - a gate electrode formed over the gate insulating layer;
  - a partition wall covering an edge portion of the first electrode and the wiring layer;

an electroluminescent layer over the first electrode; and a second electrode over the electroluminescent layer, wherein the wiring layer covers the edge portion of the first electrode.

- 3. A light emitting display device comprising:
- a gate electrode formed over a substrate having an insulating surface with a substance having a photocatalytic function therebetween;

layer;

- a gate insulating layer formed over the gate electrode;
  a semiconductor layer and a first electrode formed over the gate insulating
- a wiring layer formed over the semiconductor layer;
- a partition wall covering an edge portion of the first electrode and the wiring layer;

an electroluminescent layer over the first electrode; and a second electrode over the electroluminescent layer, wherein the first electrode covers an edge portion of the wiring layer.

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- 4. A light emitting display device comprising:
- a wiring layer and a first electrode formed over a substrate having an insulating surface with a substance having a photocatalytic function therebetween;
  - a semiconductor layer formed over the wiring layer;
- a gate insulating layer formed over the semiconductor layer;
  - a gate electrode formed over the gate insulating layer;
  - a partition wall covering an edge portion of the first electrode and the wiring layer;

an electroluminescent layer over the first electrode; and
a second electrode over the electroluminescent layer,
wherein the first electrode covers an edge portion of the wiring layer.

5. A light emitting display device according to any one of claims 1 to 4, wherein the substance having a photocatalytic function comprises titanium oxide.

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- 6. A light emitting display device comprising:
- a conductive layer including a refractory metal over a substrate having an insulating surface;
  - a gate electrode formed over the conductive layer;
- a gate insulating layer formed over the gate electrode;

- a semiconductor layer and a first electrode formed over the gate insulating layer;
  - a wiring layer formed over the semiconductor layer;
  - a partition wall covering an edge portion of the first electrode and the wiring
- 5 layer;
- an electroluminescent layer over the first electrode; and
- a second electrode over the electroluminescent layer,
- wherein the wiring layer covers the edge portion of the first electrode.
- 7. A light emitting display device comprising:
  - a conductive layer including a refractory metal over a substrate having an insulating surface;
    - a wiring layer and a first electrode formed over the conductive layer;
    - a semiconductor layer formed over the wiring layer;
- a gate insulating layer formed over the semiconductor layer;
  - a gate electrode formed over the gate insulating layer;
  - a partition wall covering an edge portion of the first electrode and the wiring layer;
    - an electroluminescent layer over the first electrode; and
- 20 a second electrode over the electroluminescent layer,
  - wherein the wiring layer covers the edge portion of the first electrode.
  - 8. A light emitting display device comprising:
- a conductive layer including a refractory metal over a substrate having an insulating surface;
  - a gate electrode formed over the conductive layer;
  - a gate insulating layer formed over the gate electrode;
  - a semiconductor layer and a first electrode formed over the gate insulating layer;
- 30 a wiring layer formed over the semiconductor layer;

a partition wall covering an edge portion of the first electrode and the wiring layer;

an electroluminescent layer over the first electrode; and
a second electrode over the electroluminescent layer,
wherein the first electrode covers an edge portion of the wiring layer.

- 9. A light emitting display device comprising:
- a conductive layer including a refractory metal over a substrate having an insulating surface;
- a wiring layer and a first electrode formed over the conductive layer;
  - a semiconductor layer formed over the wiring layer;
  - a gate insulating layer formed over the semiconductor layer;
  - a gate electrode formed over the gate insulating layer;
  - a partition wall covering an edge portion of the first electrode and the wiring
- 15 layer;

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an electroluminescent layer over the first electrode; and
a second electrode over the electroluminescent layer,
wherein the first electrode covers an edge portion of the wiring layer.

20 10. A light emitting display device according to any one of claims 6 to 9, wherein the refractory metal is selected from the group consisting of Ti (titanium), W (tungsten), Cr (chromium), Al (aluminum), Ta (tantalum), Ni (nickel), Zr (zirconium),

Hf (hafnium), V (vanadium), Ir (iridium), Nb (niobium), Pd (lead), Pt (platinum), Mo

(molybdenum), Co (cobalt), and Rh (rhodium).

11. A light emitting display device according to any one of claims 1-4 and 6-9, wherein the gate electrode and the wiring layer are made of a material selected from the group consisting of silver, gold, copper, and indium tin oxide.

12. A light emitting display device according to any one of claims 1-4 and

- 6-9, wherein the semiconductor layer is a semi-amorphous semiconductor containing hydrogen and halogen and having a crystal structure.
- 13. A TV set including a display screen having the light emitting display 5 device according to any one of claims 1-4 and 6-9.
  - 14. A method for manufacturing a light emitting display device, comprising:
    forming a gate electrode over a substrate having an insulating surface with a
    substance having a photocatalytic function therebetween by a droplet discharge method;

forming a gate insulating layer over the gate electrode;

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forming a semiconductor layer over the gate insulating layer;

forming a first electrode over the gate insulating layer by a droplet discharge method;

forming a wiring layer over the semiconductor layer by a droplet discharge method to cover an edge of the first electrode;

forming a partition wall to cover the edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

15. A method for manufacturing a light emitting display device, comprising:

forming a first electrode over a substrate having an insulating surface with a substance having a photocatalytic function therebetween by a droplet discharge method;

forming a wiring layer over the substrate having an insulating surface with a substance having a photocatalytic function therebetween to cover an edge portion of the first electrode;

forming a semiconductor layer over the wiring layer;

forming a gate insulating layer over the semiconductor layer;

forming a gate electrode over the gate insulating layer by a droplet discharge.

method;

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forming a partition wall to cover the edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

16. A method for manufacturing a light emitting display device, comprising:

forming a gate electrode over a substrate having an insulating surface with a substance having a photocatalytic function therebetween by a droplet discharge method;

forming a gate insulating layer over the gate electrode;

forming a semiconductor layer over the gate insulating layer;

forming a wiring layer over the semiconductor layer by a droplet discharge method;

forming a first electrode over the gate insulating layer by a droplet discharge method to cover an edge portion of the wiring layer;

forming a partition wall to cover an edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

17. A method for manufacturing a light emitting display device, comprising:

forming a wiring layer over a substrate having an insulating surface with a substance having a photocatalytic function therebetween by a droplet discharge method;

forming a first electrode over the substrate having an insulating surface with a substance having a photocatalytic function therebetween by a droplet discharge method to cover an edge portion of the wiring layer;

forming a semiconductor layer over the wiring layer;

forming a gate insulating layer over the semiconductor layer;

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forming a gate electrode over the gate insulating layer by a droplet discharge method;

forming a partition wall to cover an edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

- 18. A method for manufacturing a light emitting display device according to any one of claims 14 to 17, wherein titanium oxide is used as the substance having a photocatalytic function.
- 19. A method for manufacturing a light emitting display device, comprising:
   forming a conductive layer including a refractory metal over a substrate having
   an insulating surface;

forming a gate electrode over the conductive layer by a droplet discharge method;

forming a gate insulating layer over the gate electrode;

forming a semiconductor layer over the gate insulating layer;

forming a first electrode over the gate insulating layer by a droplet discharge method;

forming a wiring layer over the semiconductor layer by a droplet discharge method to cover an edge portion of the first electrode;

forming a partition wall to cover the edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

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20. A method for manufacturing a light emitting display device, comprising: forming a conductive layer including a refractory metal over a substrate having an insulating surface;

forming a first electrode over the conductive layer by a droplet discharge method;

forming a wiring layer over the conductive layer by a droplet discharge method to cover an edge portion of the first electrode;

forming a semiconductor layer over the wiring layer;

forming a gate insulating layer over the semiconductor layer;

forming a gate electrode over the gate insulating layer by a droplet discharge method;

forming a partition wall to cover the edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and

forming a second electrode over the electroluminescent layer by a droplet discharge method.

21. A method for manufacturing a light emitting display device, comprising: forming a conductive layer including a refractory metal over a substrate having an insulating surface;

forming, a gate electrode over the conductive layer by a droplet discharge method;

forming a gate insulating layer over the gate electrode;

forming a semiconductor layer over the gate insulating layer;

forming a wiring layer over the semiconductor layer by a droplet discharge method;

forming a first electrode over the gate insulating layer by a droplet discharge method to cover an edge portion of the wiring layer;

forming a partition wall to cover an edge portion of the first electrode and the wiring layer;

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forming an electroluminescent layer over the first electrode; and forming a second electrode over the electroluminescent layer by a droplet discharge method.

22. A method for manufacturing a light emitting display device, comprising:

forming a conductive layer including a refractory metal over a substrate having
an insulating surface;

forming a wiring layer over the conductive layer by a droplet discharge method;

forming a first electrode over the conductive layer by a droplet discharge method to cover an edge portion of the wiring layer;

forming a semiconductor layer over the wiring layer;

forming a gate insulating layer over the semiconductor layer;

forming a gate electrode over the gate insulating layer by a droplet discharge method;

forming a partition wall to cover an edge portion of the first electrode and the wiring layer;

forming an electroluminescent layer over the first electrode; and forming a second electrode over the electroluminescent layer by a droplet discharge method.

- 23. A method for manufacturing a light emitting display device according to any one of claims 19 to 22, wherein the refractory metal is selected from the group consisting of Ti (titanium), W (tungsten), Cr (chromium), Al (aluminum), Ta (tantalum), Ni (nickel), Zr (zirconium), Hf (hafnium), V (vanadium), Ir (iridium), Nb (niobium), Pd (lead), Pt (platinum), Mo (molybdenum), Co (cobalt), and Rh (rhodium).
- 24. A method for manufacturing a light emitting display device according to any one of claims 14 to 22, wherein the gate electrode and the wiring layer are formed by using a material selected from the group consisting of silver, gold, copper, and

indium tin oxide.

25. A method for manufacturing a light emitting display device according to any one of claims 14 to 22, wherein the semiconductor layer is formed by using a semi-amorphous semiconductor containing hydrogen and halogen and having a crystal structure.